

FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1744.0920001APPLICATION NO.
09/550,642APPLICANTS
Sorrells et al.FILING DATE
April 14, 2000GROUP
2634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
CD	AF50	3,702,440	11/1972	Moore			
	AG50	3,767,984	10/1973	Shinoda et al.			
	AH50	3,852,530	12/1974	Shen			
	AI50	4,220,977	09/1980	Yamanaka			

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						
CD	AK22	EP 0 643 477 A2 & A3	03/1995	EP			N/A
CP	AL22	EP 0 877 476 A1	11/1998	EP			N/A
CA	AM22	EP 0 977 351 A1	02/2000	EP			N/A

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN		
	AO		
	AP		
	AQ		
CD	AR	57	Tayloe, D., "A Low-noise, High-performance Zero IF Quadrature Detector/Preamplifier," RF Design, Primedia Business Magazines & Media, Inc., pp. 58, 60, 62 and 69 (March 2003).

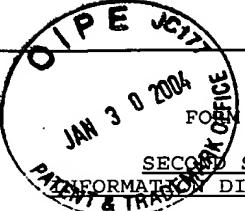
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 OPIE JC177 JAN 30 2004 PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1744.0920001	APPLICATION NO. 09/550,642
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C	AA51	5,016,242	05/1991	Tang			
	AB51	5,937,013	08/1999	Lam et al.			
	AC51	6,014,551	01/2000	Pesola et al.			
	AD51	6,073,001	06/2000	Sokoler			
	AE51	6,085,073	07/2000	Palermo et al.			
	AF51	6,400,963 B1	06/2002	Glöckler et al.			FFB 03 2004
	AG51	6,230,000 B1	05/2001	Taylor			
	AH51	5,483,695	01/1996	Pardoen			Technology Center 2600
	AI51	6,542,722 B1	04/2003	Sorrells et al.			

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
C	AJ23	WO 00/31659 A1	06/2000	PCT			N/A
C	AK23	JP 9-36664	02/1997	JP			No
	AL						
	AM						

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	58	Dines, J.A.B., "Smart Pixel Optoelectronic Receiver Based on a Charge Sensitive Amplifier Design," <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , IEEE, Vol. 2, No. 1, pp. 117-120 (April 1996).
	AO	58	Simoni, A. et al., "A Digital Camera for Machine Vision," <i>20th International Conference on Industrial Electronics, Control and Instrumentation</i> , IEEE, pp. 879-883 (September 1994).
	AP	58	Stewart, R.W. and Pfann, E., "Oversampling and sigma-delta strategies for data conversion," <i>Electronics & Communication Engineering Journal</i> , IEEE, pp. 37-47 (February 1998).
	AQ	58	Rudell, J.C. et al., "A 1.9-Ghz Wide-Band IF Double Conversion CMOS Receiver for Cordless Telephone Applications," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 32, No. 12, pp. 2071-2088 (December 1997).
	AR	58	English-language Abstract of Japanese Patent Publication No. 09-036664, from http://www1.ipdl.jpo.go.jp , 2 Pages (February 7, 1997 - Date of publication of application).

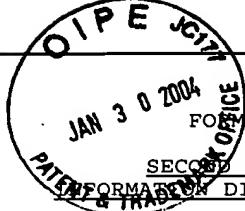
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
CD	AA52	6,560,301 B1	05/2003	Cook et al.			
	AB52	6,098,046	08/2000	Cooper et al.			
	AC52	5,564,097	10/1996	Swanke			
	AD52	5,898,912	04/1999	Heck et al.			
	AE52	4,660,164	04/1987	Leibowitz			FEB 03 2004
	AF52	6,580,902 B1	06/2003	Sorrells et al.			
	AG52	4,857,928	08/1989	Gailus et al.			Technology Center 2600
✓	AH52	5,389,839	02/1995	Heck			
	AI52	5,471,665	11/1995	Pace et al.			

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	AJ						
	AK						
	AL						
	AM						

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

CD	AN	59	Simoni, A. et al., "A Single-Chip Optical Sensor with Analog Memory for Motion Detection," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 30, No. 7, pp. 800-806 (July 1995).
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U.S. PATENT DOCUMENTS

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CW	AA53	6,327,313 B1	12/2001	Traylor et al.			
	AB53	5,751,154	05/1998	Tsugai			
	AC53	5,793,817	08/1998	Wilson			
	AD53	6,225,848 B1	05/2001	Tilley et al.			
	AE53	6,313,685 B1	11/2001	Rabii			
	AF53	3,614,627	10/1971	Runyan et al.			FEB 03 2004
	AG53	3,940,697	02/1976	Morgan			Technology Center 2000
	AH53	4,016,366	04/1977	Kurata			
	AI53	4,045,740	08/1977	Baker			

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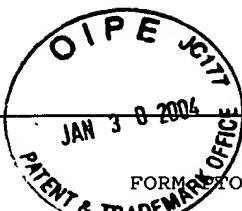
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA	AA54 4,115,737	09/1978	Hongu et al.			
	AB54 5,710,992	01/1998	Sawada et al.			
	AC54 5,790,587	08/1998	Smith et al.			
	AD54 4,740,675	04/1988	Brosnan et al.			
	AE54 5,483,600	01/1996	Werrbach			
	AF54 6,011,435	01/2000	Takeyabu et al.			FEB 03 2004
	AG54 6,321,073 B1	11/2001	Luz et al.			
	AH54 6,634,555 B1	10/2003	Sorrells et al.			Technology Center 2600
	AI54 3,736,513	05/1973	Wilson			

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FOREIGN PATENT DOCUMENTS

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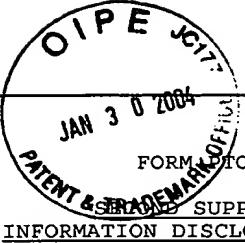
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CP	AA55 4,488,119	12/1984	Marshall			
	AB55 4,633,510	12/1986	Suzuki et al.			
	AC55 5,369,789	11/1994	Kosugi et al.			
	AD55 5,416,449	05/1995	Joshi			
	AE55 5,438,329	08/1995	Gastouniotis et al.			
	AF55 6,611,569 B1	08/2003	Schier et al.			
	AG55 6,647,250 B1	11/2003	Bultman et al.			
	AH55 5,682,099	10/1997	Thompson et al.			
	AI55 6,094,084	07/2000	Abou-Allam et al.			

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Technology Center 2000

FOREIGN PATENT DOCUMENTS

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
CP	AA56 6,067,329	05/2000	Kato et al.			
	AB56 6,516,185 B1	02/2003	MacNally			
V	AC56 6,608,647 B1	08/2003	King			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
CD	AD56	6,687,493 B1	02/2004	Sorrells et al.			RECEIVED
	AE56	6,694,128 B1	02/2004	Sorrells et al.			MAY 14 2004
	AF56	6,031,217	02/2000	Aswell et al.			Technology Center 2600
	AG56	5,955,992	09/1999	Shattil			
V	AH56	5,999,561	12/1999	Naden et al.			
	AI56	6,686,879 B2	02/2004	Shattil			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL23	DE 196 48 915 A1	06/1998	DE			Yes (Doc. AO59)
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN						
CD	AO	59	English Translation of German Patent Publication No. DE 196 48 915 A1, 10 pages.				
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CP	AA57	6,704,549 B1	03/2004	Sorrells et al.			
	AB57	6,704,558 B1	03/2004	Sorrells et al.			RECEIVED
	AC57	5,490,176	02/1996	Peltier			MAY 14 2004
	AD57	5,970,053	10/1999	Schick et al.			Technology Center 2600
	AE57	6,078,630	06/2000	Prasanna			
	AF57	6,600,911 B1	07/2003	Morishige et al.			
	AG57	5,179,731	01/1993	Tränkle et al.			
	AH57	5,589,793	12/1996	Kassapian			
	AI57	4,510,467	04/1985	Chang et al.			

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CP	AA58	4,772,853	09/1988	Hart			
	AB58	4,972,436	11/1990	Halim et al.			RECEIVED
	AC58	5,012,245	04/1991	Scott et al.			MAY 14 2004
	AD58	5,422,909	06/1995	Love et al.			
	AE58	5,440,311	08/1995	Gallagher et al.			Technology Center 2600
	AF58	5,926,513	07/1999	Suominen et al.			
	AG58	5,995,030	11/1999	Cabler			
V	AH58	6,047,026	04/2000	Chao et al.			
	AI58	6,049,573	04/2000	Song			

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CP	AA59	6,076,015	06/2000	Hartley et al.			
	AB59	6,144,331	11/2000	Jiang			RECEIVED
	AC59	6,018,553	01/2000	Sanielevici et al.			MAY 14 2004
	AD59	6,317,589 B1	11/2001	Nash			
	AE59	5,058,107	10/1991	Stone et al.			Technology Center 2600
	AF59	5,757,858	05/1998	Black et al.			
	AG59	6,531,979 B1	03/2003	Hynes			
	AH59	6,018,262	01/2000	Noro et al.			
	AI59	4,761,798	08/1988	Griswold, Jr. et al.			

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CD	AA60	5,982,315	11/1999	Bazarjani et al.			
	AB60	6,459,721 B1	10/2002	Mochizuki et al.			RECEIVED
	AC60	6,151,354	11/2000	Abbey			MAY 14 2004
	AD60	6,169,733 B1	01/2001	Lee			Technology Center 2600
	AE60	6,363,262 B1	03/2002	McNicol			
	AF60	6,697,603 B1	02/2004	Lovinggood et al.			
	AG60	5,282,222	01/1994	Fattouche et al.			
	AH60	5,949,827	09/1999	DeLuca et al.			
	AI60	6,014,176	01/2000	Nayebi et al.			

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